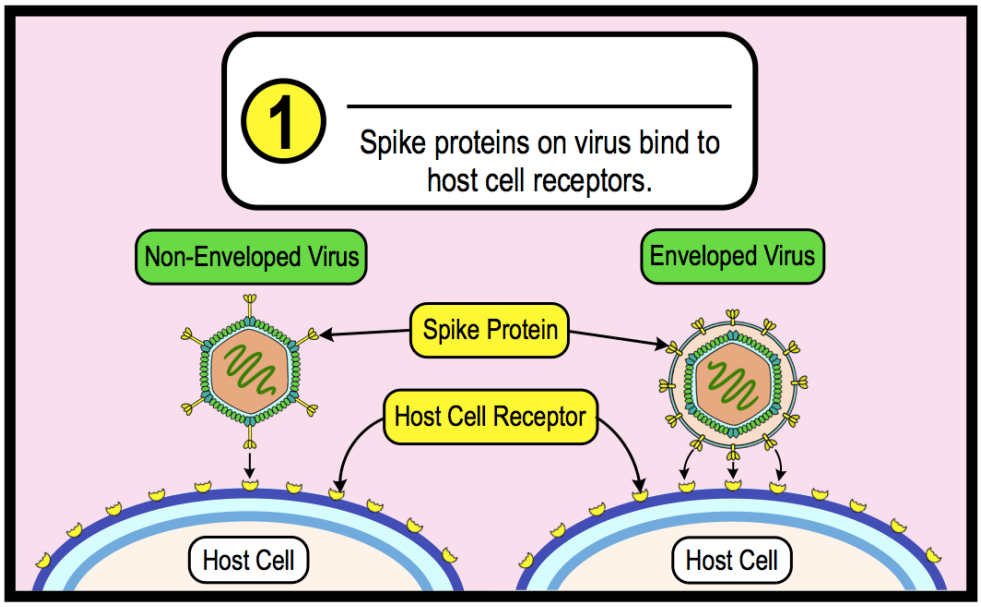
CONCEPT: ANIMAL VIRUSES: 1. ATTACHMENT TO THE HOST CELL

●*Recall:* Animal virus attachment to a host cell is _____ to bacteriophage attachment.

□ _____ proteins on the virus recognize & bind to specific host cell receptors.

□ Binding/attaching to these receptors is what allows for virus _____ into a host cell.



PRACTICE: The first step of a viral infection is virus _____, when the spike proteins of the virus attach to the _____ of the host cell.

a) Entry; plasma membrane.
b) Attachment; surface receptors.
c) Uncoating; DNA.
d) Assembly; receptor proteins.

PRACTICE: An antiviral drug specifically modifies viral receptors on a eukaryotic host cell. How might this affect the viral reproductive cycle?

a) It would stop the virus from attaching to the host cell.
b) It would facilitate the process of entry via endocytosis.
c) It would result in the uncoating of the viral DNA.
d) It would increase the production of viral proteins by the host cell.